

Title (en)  
BIMOLECULAR AUTOINHIBITED BIOSENSOR

Title (de)  
BIMOLEKULARER SELBSTINHIBIERTER BIOSENSOR

Title (fr)  
BIOCAPTEUR BIMOLÉCULAIRE AUTO-INHIBÉ

Publication  
**EP 3213073 A1 20170906 (EN)**

Application  
**EP 15854978 A 20151027**

Priority  
• AU 2014904282 A 20141027  
• AU 2015050669 W 20151027

Abstract (en)  
[origin: WO2016065415A1] A biosensor comprises first and second molecular components and is capable of displaying non-protease enzyme activity in response to a binding event mediated by first and second binding partners of the biosensor. The first and second binding partners may bind each other directly or may both bind a target molecule. At least the first molecular component comprises an inhibited non-protease enzyme, whereby the binding event switches the enzyme from a catalytically inactive state to an active state. The second molecular component may comprise a protease that cleaves the first molecular component to release inhibition of the non-protease enzyme of first molecular component. Alternatively, the second molecular component may comprise a trap molecule that binds a bait molecule of the first molecular component to release inhibition of the non-protease enzyme of first molecular component.

IPC 8 full level  
**C07K 19/00** (2006.01); **C12Q 1/34** (2006.01); **G01N 33/542** (2006.01)

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**C07K 14/4703** (2013.01 - EP US); **C12N 9/506** (2013.01 - EP US); **C12N 9/86** (2013.01 - EP US); **C12N 9/90** (2013.01 - EP US); **G01N 33/542** (2013.01 - EP US); **G01N 33/581** (2013.01 - EP US); **C07K 2319/00** (2013.01 - EP US); **C07K 2319/21** (2013.01 - EP US); **C07K 2319/50** (2013.01 - EP US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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